

“A New Era” - Possibly new building codes

“The New Millennium” - “The 21st Century” - plain old “Year 2000” - by whatever name, a new era will soon be upon those of us in the world of Wisconsin building codes, with the arrival in January, 2000 of the first edition of the *International Building Code (IBC)*, and Wisconsin’s continuing active consideration of adopting the *IBC*.

After several years of reviewing the *IBC* as it moved through stages of creation, the Safety and Buildings Division and advisory councils have chosen the concept of adopting the *IBC* and implementing it in Wisconsin. Two articles here outline the background of the *IBC* and the current consideration of adopting the *IBC* in Wisconsin. Information was provided by James Smith, S&B Commercial Buildings Program Manager, and Nancy Ayres, a representative of the International Conference of Building Officials. An article on page five describes review of possible adoption of the draft *International Mechanical* and *International Energy Conservation Codes*.

IBC in Wisconsin

Over the decades since Wisconsin’s code efforts began, using one of the national model codes has been discussed, with much debate revolving around which of the models would be the best. When the International Code Council (ICC) was formed in 1994, the Division of Safety and Buildings decided the time was right to revisit the subject.

Advisory councils were created or activated, led

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IBC background

Wisconsin’s involvement with a building code predates the history of the three model code groups making up the International Code Council (ICC), which created the *IBC*. Wisconsin’s “safe place” law for commercial buildings resulted in the first state-wide building code in 1914.

The first group to develop a model building code, the 1927 *Uniform Building Code*, was the International Conference of Building Officials (ICBO). Following in 1945, Southern Building Code Congress International (SBCCI) published the *Standard Building Code*. Building Officials and Code Administrators International (BOCA) produced the *National Building Code* in 1950.

International Code Council

BOCA, ICBO, and SBCCI are nonprofit organizations that formed the ICC in 1994 to

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Wisconsin Building Codes Report

Safety and Buildings Division,
Department of Commerce

December 1999



Fee increases proposed for some S&B plan review, inspection and certification services

The Safety and Buildings Division proposes to increase some fees to cover costs of providing services for the next four years. The most recent fee increases were in 1992. The division is required to collect fees which should, as close as possible, cover the cost of providing services. Fees are set for early reserves, which are then used to cover costs which increase over time. The current S&B reserves are expected to be depleted in October, 2000. If adopted, the new fees would be effective in September, 2000.

Plan review services affected include those for buildings, elevators, gas systems, plumbing, private onsite wastewater treatment systems, and swimming pools. Inspection services affected include those for buildings, elevators, boilers, mechanical refrigeration, amusement rides, and ski lifts. Certifications involved are those for electricians. Licenses involved are those for blasters. The code which would be most revised to complete the changes is Comm 2, Fees. There are also changes proposed in Comm 5, Credentialing, Comm 45, Mechanical Refrigeration, Comm 82, Plumbing, and Comm 84, Plumbing Products

Public hearing information and draft rule proposals will be available as soon as possible on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-RuleChanges.html>. Information and drafts also will be available from Roberta Ward, 608-266-8741, rward@commerce.state.wi.us.

Public hearing planned

In some program areas the current fee amounts will remain unchanged: Manufactured Dwellings, One- and Two-Family Dwellings, Rental Unit Energy Efficiency, Plumbing Licensing, Fire Sprinkler Licensing, HVAC Certification, Refrigerant Handling Certification, Soil Tester Certification, and all Inspector Certifications.

Under the proposed rules, the fees for lighting plan review are combined with the fees for building plan review. Submittal requirements for lighting plans, however, are not being changed.

The proposals, based on study of division staff time reporting and projected workloads, are estimated to cover costs for four years.

Potential staff increases, such as for commercial building soil erosion control or in the Uniform Dwelling Program, have not been included in revenue projections.

The proposed rules contain minor revisions to the requirements for plumbing plan review and plumbing product review. The threshold for submitting plumbing plans is being raised from 11 to 16 plumbing fixtures. Plumbing product review is being discontinued for cross connection control devices and for water treatment devices listed as complying with NSF standard 44.

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Safety and Buildings-related codes are on the Internet
<http://www.legis.state.wi.us/rsb/code/comm>

State administrative codes and the code update service may be purchased by contacting state Document Sales, 608-266-3358, or 800-362-7253, for credit card purchases. ❖ ❖ ❖ ❖ ❖ ❖

Following is a brief summary of the major proposed fee changes:

1. Boilers, Pressure Vessels, Anhydrous Ammonia, and Mechanical Refrigeration

- Current fee amounts for plan reviews and inspections would generally be increased 35 %, rounded to \$5 increments.
- Current fee amounts for Permits to Operate would be increased 40 %.
- Current fee amounts for anhydrous ammonia plan review and initial inspection would be increased 200 %.

2. Elevators and Lifting Devices

- Current fee amounts for plan review and initial inspection in Table 2.15-1 would be increased 100 %.
- Current fee amounts for periodic inspections in Table 2.15-2 would be increased as follows based on the expected average inspection times shown below and a “billing” rate of \$60 per hour:
0-4 landings - 63 % increase (1.5 hours);
5-10 landings - 41 % increase (2.0 hours);
11 or more landings - 30 % increase (2.5 hours);
escalators - 30 % increase (2.5 hours);
- The current fee amount for a Permit to Operate would be increased 75 %.

3. Mines, Pits, Quarries, and Explosives

- Current annual safety fee amounts for mine, pit, or quarry production in Table 2.17, which range from \$1.85 per thousand tons of production to \$3.70 per thousand tons of production, would be changed to a flat \$3 per thousand tons of production.
- The remaining current fee amounts in sections Comm 2.17, 2.18 and 2.19 would be increased 45 %, rounded to \$5 increments.
- Current fee amounts for blaster licenses in Table 5.02 would be increased 50 %.

4. Amusement Rides

- Current fee amounts for plan examination and inspection would generally be increased 60 %, rounded to \$5 increments.

5. Tramways, Lifts and Towing Devices

- Current fee amounts for plan review and inspection would be increased 160 %.
- The current fee amount for a Permit to Operate would be increased 120 %

6. Buildings, Structures, Heating and Ventilation

- Current fee amounts for separate review of building plans and HVAC plans would be increased 35 %, generally rounded to \$10 increments. The current “discount” for simultaneous submittal of building plans and HVAC plans would be replaced with a method involving a \$100 plan entry fee to accompany each plan submittal.
- New fees would be created for review of fire alarm system plans and fire suppression system plans. The additional revenue from this new service is projected to be \$100,000 per year, based on an annual workload of 550 plans and average fee of \$182.

7. Mobile Homes

- Current fee amounts for formaldehyde testing and investigation would be increased 20 %.

8. Liquefied Petroleum Gas, Liquefied Natural Gas and Compressed Natural Gas

- Current fee amounts for plan review and inspection would generally be increased 30 %.

9. Material Approvals, Petitions for Variance

- Current fee amounts for material reviews would be increased 25 %.
- Current fee amounts for petitions for variance for public buildings under Comm 50 to 64 and 66 would be increased 2 %.
- Current fee amounts for petitions for variance for public sector employment under 101.055, Stats., would be increased 50 %.
- Current fee amounts for petitions for variance of all other rules not specifically mentioned in Comm 2.52 would be increased 25 %.

10. Plat Review and Investigations

- A new fee would be created for lot restriction waivers.

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IBC in Wisconsin

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by a Commercial Building Code Council, to assist in the review of the *International Codes*, the product of the ICC. Specialty councils were formed to align with ICC technical committees, so Wisconsin comparisons and recommendations would correspond with the process of the ICC.

Following positive recommendations of the code councils, S&B is pointing toward adoption the 2000 *IBC* as the "foundation" upon which our Commercial Building Code will be built.

Adoption of the *IBC* could be in July, 2001, with a delay in the effective date until July, 2002.

This past fall, S&B created an *IBC* Implementation Task Group to help come up with ideas on how the division can assist designers, contractors, and code officials in Wisconsin municipalities with the transition to a new code. The group will look for assistance that could be provided to eliminate or lessen any negative impacts associated with a code change.

If you wish additional information on the *IBC*, contact Jim Smith, S&B Commercial Buildings Program Manager, 608-266-0251, jsmith@commerce.state.wi.us. The *International Codes* are available from the International Code Council, 703-931-4533, email staff@intlcode.org, website <http://www.intlcode.org/index.html>.

IBC background

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develop a single family of codes, without their former regional connotations. The new family of codes developed by the ICC is known as the "International Codes." Wisconsin is considering adopting four of the family: the *International Building Code*, the *International Energy Conservation Code*, the *International Fire Code*, and the *International Mechanical Code*.

IBC is almost here

To develop the *IBC*, each model code group assigned members to five technical subcommittees to cover all 34 chapters of the existing building codes. These committees compared code provisions covering particular subject areas including administrative, occupancies, fire safety, egress and accessibility, and structural requirements. Several draft codes have been produced and reviewed by the public.

The year 2000 editions of the *International Codes* have moved through public review/comment, discussion, and formal comment, and a final public hearing last fall in St. Louis. The first complete set of *International Codes* is being prepared for publication early in 2000.

The *International Codes* are available from the International Code Council, 703-931-4533, email staff@intlcode.org, website <http://www.intlcode.org/index.html>.

Fees

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11. Plumbing Systems Plan Review

- Current fee amounts would generally be increased 15 %, rounded to \$5 increments. Some fee amounts, such as for building storm and clear water drain systems, would be increased 25 %.

12. Private Sewage Systems Plan Review

- Current fee amounts would generally remain unchanged. The method of fee calculation would be changed so as to be based on the "design wastewater flow of the proposed system" instead of septic tank or holding tank volume. The change in calculation methods is not expected to

change the overall revenue rate; instead, it is expected to result in more equitable fees for the various system designs recognized in Comm 83.

13. Plumbing Product Review

- Current fee amounts for holding or treatment components for private onsite wastewater treatment systems would be increased 100 %.

14. Sanitary Permits

- Current fee amounts for sanitary permits issued by governmental units (counties) would remain unchanged. A new fee would be created for

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Update on Wisconsin's consideration of the national model mechanical and energy codes

Safety and Buildings Division staff and advisory councils have been reviewing possible adoption of the draft national model *International Mechanical* and *International Energy Conservation Codes*.

The *IMC* deals with mechanical systems typically found in buildings, such as heating, ventilation, pressure vessels, hydronics, fuel gas systems, etc. The *IECC* deals with energy conservation in all categories of buildings. The topics in the two model codes are now covered in various codes which S&B administers.

S&B hopes to hold public hearings in the fall of 2000 on adoption of portions of the two codes. Adoption of the new codes could occur in spring, 2001. A delay being contemplated for training on the codes could put the effective dates in late 2001.

S&B consideration of the *IMC* and the *IECC*

concluded the following could occur:

- ◆ Use of the current Comm 41 (Boilers and Pressure Vessels) in place of *IMC* boiler and pressure vessel requirements;
- ◆ Use of Comm 45 (Mechanical Systems) in place of *IMC* mechanical refrigeration requirements;
- ◆ Use of Comm 10 (Flammable and Combustible Liquids - administered by the Environmental and Regulatory Services Division of the Department of Commerce) in place of *IMC* fuel oil piping and storage requirements;
- ◆ Use of NFPA 54 (National Fuel Gas Code) in place of *IMC* fuel gas requirements;
- ◆ Use of Comm 63 (Energy Conservation) in place of *IECC* requirements for high rise buildings

S&B staff now believe there is not enough time to thoroughly review the *IMC* chapters noted above (which might not now be used). In the future, the division will form other specialty councils to consider adoption for those subject areas.

The National Fuel Gas Code, NFPA 54, is used in other Commerce codes, so it may be maintained for now for consistency. Consideration of switching to the *IMC* provisions may be done later, with preparation time so that all the Commerce codes can be coordinated.

The *IECC* requirements for high-rise buildings consist of the American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) 90.1-1989 Standard, "Energy Efficient Design of New Buildings except Low Rise Residential Buildings". Comm 63 is based on that same standard, with some Wisconsin variations already developed.

For more information, contact Berni Mattsson, S&B Program Manager for energy efficiency, HVAC, boilers, refrigeration, and gas systems, 608-266-2725, bmattsson@commerce.state.wi.us.

The International Codes are available from the International Code Council, 703-931-4533, email staff@intlcode.org, website <http://www.intlcode.org/index.html>.

S&B WebSite
<http://www.commerce.state.wi.us/Com/Com-Safety-and-Buildings.html>

Fees

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permits issued by S&B.

15. Swimming Pool Plan Review

- Current fee amounts would be increased 100 % and the current "discount" for simultaneous submittal of pool plans would be discontinued.

16. Electrician Certification

- Current fee amounts would be increased as follows:
 - Master Electrician Certification - 25 % increase
 - Journeyman Electrician Certification - 50 % increase
 - Beginner Electrician Certification - 20 % increase

Change in UDC law - More dwelling inspections

by Tom Kasper, Safety and Buildings Division
Training and Certification Coordinator, 608-
267-7586, tkasper@commerce.state.wi.us.

The recently-enacted state budget bill included important changes to the enabling statutes for the Wisconsin Uniform Dwelling Code (UDC), the statewide building code for one- and two-family dwellings built since June 1, 1980.

Currently, municipalities of less than 2500 population have the option of whether or not to provide enforcement of the UDC. In either case, the UDC still applies to all newer dwellings.

Beginning May 1, 2000, all municipalities of less than 2500 will need to pass a resolution formally declining UDC enforcement, if that is their choice. If they do not pass such a resolution, and do not have a local UDC enforcement program, then the Safety and Buildings Division will have authority to enforce the UDC in that municipality. S&B will mail information to municipalities on the options.

For municipalities that do not adopt a resolution declining UDC enforcement, and which choose to not do enforcement themselves, S&B plans to contract out enforcement to state-certified independent inspectors, where they are available. There would be a bidding process, beginning around midyear 2000. The first round of contracts would likely be effective around the beginning of 2001.

S&B staff expect that before then, some municipalities which newly choose to enforce the UDC will make local arrangements for their own inspector, with an inspector from another municipality, or with a county inspector.

For homeowners, this law change means a greater assurance of the health, safety, energy efficiency, and durability of what is typically their largest lifetime investment.

For some building contractors and designers, this will mean they will need to be more aware of code and permitting requirements, as municipalities

start enforcing the UDC. It also means conscientious builders will be at a less of a competitive disadvantage to other, less conscientious builders.

■ Know the code requirements. The applicable

codes are the Wisconsin Uniform Dwelling Code, Comm 20-25; state Uniform Plumbing Code, Comm

Beginning May 1, 2000, municipalities will need to pass a resolution formally declining UDC enforcement, if that is their choice.

82-87; state Electrical Code, Comm 16; and NFPA 70, 1999 National Electric Code (NEC).

To purchase copies of the current Wisconsin codes, contact Document Sales, 800-362-7253. Codes are also available on the Internet for free viewing or downloading at www.legis.state.wi.us/rsb/code. S&B offers a *UDC Code and Commentary*, covering construction and HVAC requirements, for \$21. Contact Peggy Hobbs, 608-267-4405, phobbs@commerce.state.wi.us. To purchase the NEC, contact the National Fire Protection Association, 800-344-3555.

■ For local permits, submittal is necessary of at least two complete sets of construction plans and a completed energy worksheet, prior to beginning construction. Free energy compliance software is available tailored for Wisconsin's energy code, www.energycodes.org.

■ A person must hold the Dwelling Contractor Financial Responsibility Certification with S&B in order to take out building permits for any home that they will not occupy. Contact the S&B Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us, for application materials

■ The responsible state-licensed master plumber must be declared before any interior plumbing work begins.

■ Local inspectors need to be called for inspections at various points prior to covering completed work or allowing occupancy of the

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Reminder on sprinkler, flammable, combustible liquid seminars

Madison, Wausau in February 2000

The National Fire Protection Association and the Safety and Buildings Division will present NFPA 13 (1999) seminars in Madison on February 8, and in Wausau on February 10, 2000, and NFPA 30 (1996) seminars in Madison on February 23, and Wausau on February 24, 2000. Both standards are proposed for adoption in the Wisconsin Commercial Building Code, Comm 50-64.

The \$40 registration fee for the 8-hour seminars

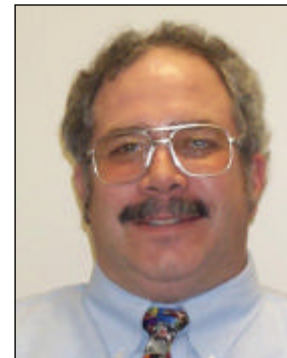
includes a copy of the NFPA standard, a seminar workbook, breaks, and lunch.

Applications were printed on pages 11 and 12 of the September *WBCR* (you can make photocopies). The applications are also on the S&B Fire Safety Program WebSite education page, <http://www.commerce.state.wi.us/SB/SB-FireSafetyProgramEducation.html>. Copies can also be obtained by contacting Yvonne Faga, 608-261-7739, yfaga@commerce.state.wi.us.

Graham is fire/electrical section chief

Dan Graham is the new Section Chief for the Fire Safety and Electrical Inspection programs. Graham will supervise five fire safety consultants and three electrical inspectors.

In fire service for 23 years, Graham has served as fire chief, fire marshal, fire protection engineer, and firefighter, in industrial settings, and military, municipal, and state agencies. He most recently worked in Colorado as a fire marshal.



UDC enforcement changes

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dwelling.

For building inspectors, there will be an increased demand by municipalities and by the state through S&B's contracting program for inspector services. Possibly, these newly-hired inspectors will need to be certified in all four UDC categories - construction, HVAC, electrical, and plumbing - because of the travel distances in rural areas.

UDC inspector certification is by examination. Anyone interested in certifications can contact S&B's Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us for the inspector certification information packet, or to register for exams. There are possible conflict of interest limitations for certified inspectors who also design or build.

S&B is working with the state's vocational-technical college system and the University of Wisconsin to offer training for new inspectors and for building contractors. Contact your local vocational-technical college or S&B's Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us, to get current information.

S&B also would like to create a list of veteran inspectors and established building inspection departments willing to mentor new inspectors by allowing them to observe experienced plan review and inspection activities. If you are interested in offering this assistance, please contact me, Tom Kasper, 608-267-7586, tkasper@commerce.state.wi.us.

Summary of 1998 Report of Fires survey

by John Lippitt, S&B Fire Safety Program Manager, 608-266-1036,
jlippitt@commerce.state.wi.us

In January of 1999, the Safety and Buildings Division sent an Annual Report of Fires survey form to every fire department in Wisconsin. The survey was conducted in an attempt to obtain and share information about fire incidence in Wisconsin.

Numerous departments reported having no fires for part or all of 1998. Some departments did not return the survey. Responses came from 596 out of 876 departments, or 68%.

Division staff received complaints from fire departments which submitted Fire Incident Reports, and then were asked to submit the survey information. In response to those complaints, S&B will not be mailing out an annual survey form in January, 2000.

The fire problem information will hopefully be gathered via Fire Incident Reports, mandated to be submitted each year to S&B by April 1.

The survey was conducted in 1999 to try to get statistical responses from departments that have not been filing Fire Incident Reports. In attempting to get full reporting participation, S&B asked some departments to duplicate their efforts. That won't be done this year.

Fire departments that choose to report the 1999 data using the National Fire Incident Reporting System (NFIRS) forms or software have their information forwarded by S&B to the US Fire Administration for inclusion in the national database.

Several formats for fire incident reporting are available to fire departments from S&B at no cost by calling 608-266-1818.

Thank-you to the 596 fire departments which submitted the fire loss data shown to the right by returning the Report of Fires survey form.

<u>Type of Fire</u>	<u>Number Reported</u>
Structure Fires	6,203
Vehicle Fires	4,605
Other Fires (1)	15,622

<u>Fire Causes</u>	
Incendiary	1,429
Misuse	2,038
Smoking	397
Heating	859
Cooking	713
Electrical	1,965
Appliances	484
Open Flame	1,094
Other Heat	802
Other Equipment	1,116
Natural	774
Exposure	264
Unknown (2)	14,453

<u>Arsonists</u>	
Juvenile Firesetter (3)	444

<u>Injuries</u>	
Civilian	291
Firefighter	232

<u>Deaths</u>	
Civilian	69
Firefighter	0

<u>Dollar Costs (4)</u>	
Structural Loss	\$48,216,068
Vehicle Loss	5,046,387
Other Loss	1,401,034

1. Some reports received from departments did not separate structure and vehicle fires.
2. Some reports received did not separate the causes of fires, so totals were listed under unknown causes.
3. Not all departments reported suspicious fires attributed to juveniles.
4. Many departments have a policy of not reporting dollar loss figures, so totals listed are actually underreported amounts.

Elevator seminar - Large variety of topics



- >For contractors, designers, elevator companies, elevator inspectors.
- >There will be a fee.
- >Two days, probably early in February, in Madison area.
- >Six/eight presentations each day by representatives of the National Association of Elevator Contractors.
- >Organized by the Safety and Buildings Division Elevator Program.
- >For specifics, contact David Holmes, S&B Elevator Inspector,
715-836-7268, dholmes@commerce.state.wi.us.

Safe Passage kit promotes firefighter safety in responding vehicles



The NVFC is nonprofit membership association representing the interests of volunteer fire, EMS and rescue services. To learn more about the NVFC, or the Safe Passage Kit, please contact the NVFC at 1-888-ASK-NVFC, or www.nvfc.org.

The National Volunteer Fire Council (NVFC) has created a "Safe Passage" kit in response to the increasing number of accidents involving fire personnel responding to and from the fireground. The kit is intended for fire departments to use to work with local media to promote safe driving by firefighters and civilians.

The kit includes an informational brochure explaining how to use the kit, camera-ready artwork, sample press releases, and radio announcements.

Nationally, each year, there are nearly 17,000 crashes of fire department emergency vehicles, with about 1,500 firefighters injured, and an average of 25 firefighters killed.

A brochure describing the Spring 2000 "Code Update" sessions was sent to people holding inspection credentials, except POWTS Inspectors, UDC Plumbing Inspectors, and Rental Weatherization Inspectors. If you have not received a copy, contact S&B Material Orders Section, 608-267-4405.

Spring 2000 Code Training Sessions

IAEI Analysis of the 1999 NEC

In January and February, the International Association of Electrical Inspectors will present six one-day sessions on "Soares Grounding of Electrical Systems" and two sessions on the 1999 NEC, which was adopted by Wisconsin this fall. If you did not receive a flyer and want more information, contact Joe Hertel, S&B Electrical Program Manager, 608-266-5649, jhertel@commerce.state.wi.us. Con ed credit hours available: 8 hours CEI, UEI, Master Electricians, and Journeyman Electricians. There will be a fee.

UW Code Refresher and Special Sprinkler Session

On February 15 and 16, the UW-Madison Department of Engineering Professional Development will present its annual "Wisconsin Building Code Refresher," in cooperation with the Safety and Buildings Division. There will also be a third day of classes, February 17, which will concentrate on sprinkler topics.

This year's agenda for the first two days includes sessions on erosion control rules, accessibility, International Codes adoption, building envelope energy conservation, and fire safety code changes. Con ed credit for course #549 for the two days is 15 hours for Commercial Building Inspectors. There will be a fee.

Among the topics on the third day of classes will be sprinkler system design and installation, new NFPA standards in Wisconsin, new sprinkler plan review rules, and the revised NFPA 13. Continuing education credit for course #2945 is 7 hours for Commercial Building Inspectors. There is a fee.

If you have not received a program brochure and registration form, contact the UW Department of Engineering Professional Development at 800-462-0876. You can register for the first two days, the third, or all three.



Scurry to school!

NFPA Adopted Standards Training

In cooperation with the National Fire Protection Association, the Safety and Buildings Division is offering one-day training sessions on the revisions in several adopted NFPA standards for code enforcers only. Details are in the September, 1999 *Wisconsin Building Codes Report*. There will be sessions on the NFPA 13, Standard for the Installation of Sprinkler Systems, on February 8 in Madison and on February 10 in Wausau. Con ed credit for course 2947 is 7 hours CBI. There will be sessions on the NFPA 30, Flammable and Combustible Liquids Code on February 23 in Madison and on February 24 in Wausau. Course #2946, Con ed credit is 7 hours CBI and Tank Inspectors. Call S&B Credentialing at 608-261-8470 for details.

Wisconsin Building Inspectors Institute

The Wisconsin Building Inspectors Association will hold its annual Institute April 12 to 14 in Wausau. Tentative topics include: wood and moisture issues, the International Building Code, in depth HVAC topics, and "Verbal Judo." If you do not receive a flyer in March for the Institute, contact the League of Wisconsin Municipalities at 608-267-2380. Course #405 Con ed credit: 6 hours CBI, UCI, and UHI.

If you have question on your continuing education status, contact the Safety and Buildings Division Credentialing Unit at 608-261-8500, madisoncred@commerce.state.wi.us.

Marinette seminar on Inspection and testing of water-based fire extinguishing systems

Tuesday through Friday, March 14-17, 2000, 8 a.m. - 4:30 p.m.

Presented by Don Donath, National Fire Sprinkler Association

This seminar is intended for a broad range of fire professionals, including architects, engineers, building owners, sprinkler industry professionals, building inspectors, fire inspectors, plan reviewers, insurance representatives, and maintenance personnel. The seminar can prepare individuals for the Safety and Buildings Division written test for inspection and testing of sprinkler systems.

Topics will include: Hazard/Commodity Classification; Theory of Fire Sprinkler Design; Components of Fire Protection Systems; Types of Fire Sprinklers; Water Flow Testing/Backflow Protection; Sprinkler Spacing/Obstructions, Case Studies; Reports/Record keeping; Inspection/testing Components; Fire Pumps; and Practical Exercise.

Cost is \$550/student - Fee includes all costs, including tuition, lunch, and refreshments each day, and two NFSA texts (a \$100 value). (Out-of-state

residents have higher fees.)

Location: Fire Technology Lab, Northeast Wisconsin Technical College, 1601 University Drive, Marinette.

Credit: This seminar qualifies for continuing education as required by the National Institute for Certification in Engineering Technologies (NICET) and the American Institute of Architects.

Attendees must provide their own NFPA 25 and a pocket calculator able to work square root calculations.

Register by February 28, 2000.

Questions: Call Paul Pendowski, 800-422-6982, ext. 5603, 920-498-5603, or email: ppendowski@nwtc.tec.wi.us.

Erosion Control for Homebuilders - Erosion Control for Small Construction Sites

Feb. 10 Sheboygan Falls
March 7 Oshkosh
March 14 Bristol
March 15 Madison
March 30 Lake Mills
April 11 Ashland
TBA Baldwin



Continuing ed credits:

UDC Construction Inspector	4
Commercial Inspector	4
Journeyman Plumber	6
Journeyman Plumber Restricted Service ...	6
Master Plumber	6
Master Plumber - Restricted Service	6

All programs will be from 8 a.m. to 4 p.m., lunch is included. Fee is \$50.

For information, contact UW-College of Agriculture and Life Sciences Outreach Services - 608-263-1672

Events Calendar

Jan. 13, 2000 - Thursday - Energy Code Council
- 8:30 a.m. to 3 p.m. - Thompson Bldg., Rm. 3B,
201 W Washington Ave., Madison - Diane
Meredith, 608-266-8982, dmeredith@commerce.
state.wi.us

Jan. 20, 2000 - Thursday - Commercial Building
Code Council - 9 a.m. to 3 p.m. - Department of
Agriculture, Trade, and Consumer Protection -
2811 Agriculture Dr, Rm. 106 - Sam Rockweiler,
608-266-0797, srockweiler@commerce.state.wi.us

Jan. 21, 2000 - Friday - Plumbing Advisory Code

Contact the listed Code Consultant for
information on the meetings agenda, locations,
etc. If you have questions concerning
technicalities of the codes which are the subjects
of the meetings, contact consultants and
reviewers listed on pages 14 and 15 of this
WBCR.

Council, Health Care Task Group - 9 a.m. to 3 p.m.
- Thompson Bldg., Rm. 3C, 201 W Washington
Ave., Madison - Jim Wehinger, 608-339-7430,
jwehinger@commerce.state.wi.us

Feb. 1, 2000 - Tuesday - Automatic Fire
Sprinkler Code Council - 9:30 a.m. - Thompson
Bldg., Rm. 4A, 201 W Washington Ave., Madison -
Ron Acker, 608-267-7907, racker@
commerce.state.wi.us

Feb. 2, 2000 - Wednesday - Uniform Dwelling
Code Council - 9:30 a.m. to 2:30 p.m. - Wisconsin
Builders Association, 4868 High Crossing Blvd.,
Madison - Duane Hubeler, 608-266-1390,
dhubeler@commerce.state.wi.us

Feb. 3, 2000 - Thursday - Fire Safety Code
Council - 9 a.m. to 3 p.m. - Thompson Bldg., Rm.
3B, 201 W Washington Ave., Madison - Duane
Hubeler, 608-266-1390, dhubeler@commerce.
state.wi.us

Feb. 3, 2000 - Friday - Plumbing Advisory Code
Council - 9 a.m. to 3 p.m. - Thompson Bldg., Rm.
3C, 201 W Washington Ave., Madison - Jean
MacCubbin, 608-266-0955, jmaccubbin@
commerce.state.wi.us

Feb. 9, 2000 - Wednesday - Multifamily Dwelling
Code Council - 9:15 a.m. to 3 p.m. - Wisconsin
Builders Association, 4868 High Crossing Blvd.,
Madison - Sam Rockweiler, 608-266-0797,
srockweiler@commerce.state.wi.us

March 9, 2000 - Thursday - Commercial Building
Code Council - 9:15 a.m. to 3 p.m. - Department of
Agriculture, Trade, and Consumer Protection - 2811
Agriculture Dr, Rm. 106 - Sam Rockweiler, 608-
266-0797, srockweiler@commerce.state.wi.us

March 16, 2000 - Friday - Plumbing Advisory
Code Council - 9 a.m. to 3 p.m. - Thompson Bldg.,
Rm. 3B, 201 W Washington Ave., Madison - Jean
MacCubbin, 608-266-0955, jmaccubbin@
commerce.state.wi.us

Construction Site Erosion Control Workshop

Thursday, January 20, 8 a.m. to
3 p.m., Dodgeville Bowl, \$20 fee

Hurry, not much time to register!

Call Steve Bertjens, 608-348-3235

- + Environmental and Economic Impacts
- + UDC/Commercial Site Erosion Control
 - + New UDC Inspection Rules
- + Model Ordinances for Erosion Control
- + Case Study of Mendota Watershed
- + New Products and New Practices

**Planned for a variety of people in
the construction industry**

Five hours of continuing education for UDC
Construction Inspector and Commercial
Building Inspector

Sponsored by Southwest Badger Resource and
Development Council and Iowa County
Planning and Zoning

Construction Site Erosion Control Workshop

CERTIFIED MUNICIPALITIES

Per ILHR 50.21, the following municipalities are certified to review plans for new buildings containing less than 5,000 sq. ft. total area; additions to existing buildings where the total area after construction of the addition is less than 5,000 sq.ft.; and alterations to existing building where the area of altered space is less than 10,000 sq. ft. If your project is located in a listed municipality, and meets the size criteria, contact the municipality for plan review. For information regarding the current status of a municipality, call 608-267-7586.

<u>Counties</u>	Fitchburg	Middleton	Port Edwards	Walworth
Eau Claire	Fond du Lac	Milwaukee*	Poynette	Waterford
	Fontana	Monroe	Racine	Waukesha
<u>Cities and Villages</u>	Fort Atkinson	Muskego	Rhineland	Waunakee
Altoona	Franklin	New Berlin	Ripon	Waupun
Antigo	Fredonia	New Richmond	Seymour	Wausau
Augusta	Glendale	Oak Creek	Sheboygan	Wauwatosa
Beloit	Grafton	Oconomowoc	Silver Lake	West Allis
Berlin	Green Bay	Omro	Stevens Point	West Bend
Big Bend	Greenfield	Osceola	Sturgeon Bay	West Milwaukee
Black River Falls	Hartland	Oshkosh	Sun Prairie	Weyauwega
Brookfield	Hortonville	Osseo	Superior	Whitefish Bay
Brownsville	Howard	Paddock Lake	Sussex	Wis. Rapids
Burlington	Janesville*	Plover	Twin Lakes	
Cedarburg	Jackson			
Cudahy	Johnson Creek	*Municipalities marked with an* are authorized to review plans without limit on size of building or project.		
Delafield	Kaukauna			
Dousman	Kenosha			
Dresser	La Crosse			
Eau Claire	Lake Geneva	<u>Towns (County)</u>	Delavan (Walworth)	
Elkhorn	Madison*	Berry (Dane)	Farmington (Polk)	
Elm Grove	Marshfield	Bloomfield (Walworth)	Geneva (Walworth)	
Fall Creek	Mequon	Bristol (Kenosha)	Grand Chute (Outagamie)	
		Cottage Grove (Dane)	Grand Rapids (Wood)	
			Hull (Portage)	
			LaGrange (Walworth)	
			Linn (Walworth)	
			Mukwonago (Wauke.)	
			Norway (Racine)	
			Ottawa (Waukesha)	
			Plover (Portage)	
			Raymond (Racine)	
			Seymour (Eau Claire)	
			Somers (Kenosha)	
			Springdale (Dane)	
			Sugar Creek (Walworth)	
			Theresa (Dodge)	
			Waterford (Racine)	
			Waukesha (Waukesha)	
			Wheatland (Kenosha)	
			Windsor (Dane)	

There is also a group of municipalities having inspection authority for commercial and multifamily buildings, but which do not have plan review authority. (The Safety and Buildings Division does plan review for them.)

Inspections Only

Village of Belgium (Ozaukee)	Town of Pleasant Springs (Dane)
Village of Cambridge (Dane)	Town of Rochester (Racine)
Town of Cedarburg (Ozaukee)	Village of Rochester (Racine)
Town of Lyons (Walworth)	City of So. Milwaukee (Milwaukee)
Town of Madison (Dane)	Village of Sturtevant (Racine)
Town of Oakland (Jefferson)	Town of Summit (Waukesha)
Village of Oregon (Dane)	Village of Thiensville (Ozaukee)

Safety and Buildings Offices

(maps of S&B office locations are available on the WebSite at <http://www.commerce.state.wi.us/SB/SB-Offices.html>)

Green Bay Office
2331 San Luis Pl #150
Green Bay WI 54304
920-492-5601
Fax 920-492-5604
greenbaysch@commerce.state.wi.us

Hayward Office
10541N Ranch Rd
Hayward WI 54843
715-634-4870
Fax 715-634-5150
haywardsch@commerce.state.wi.us

La Crosse Office
2937 North kinney
Coulee Road
La Crosse WI 54603
608-785-9334
Fax 608-785-9330
lacrossesch@commerce.state.wi.us

Madison Office
201 W Washington Ave
PO 2658
Madison WI 53701
608-266-3151
Fax 608-261-6699
madisonsch@commerce.state.wi.us

Shawano Office
1340 E Green Bay St #300
Shawano WI 54166
715-524-3626
Fax 715-524-3633
shawanosch@commerce.state.wi.us

Waukesha Office
401 Pilot Ct # C
Waukesha WI 53188
262-548-8600
Fax 262-548-8614
waukeshasch@commerce.state.wi.us

Plan Review Scheduling

For plan review scheduling for Plumbing and Buildings, call the S&B office numbers listed above, or contact the email address shown. Fax scheduling is possible. Information about the project will be needed to schedule the plan review. Any of the offices can schedule the first appropriate plan review available statewide.

Plan review for Private Onsite Wastewater Treatment Systems is provided on a first-come, first-served basis. Contact one of the offices for information.

For scheduling info, also see <http://www.commerce.state.wi.us/SB/SB-DailyDoc.html>.

Direct comments, suggestions for articles, etc., to Todd Taylor. Fax 608-264-8795.

Telephone 608-267-3606.

[ttaylor@commerce.state.wi.us/](mailto:ttaylor@commerce.state.wi.us)

Madison mailing address above.

Sample S&B email address:
dstilen@commerce.state.wi.us

Specialty Telephone Contacts

Barrier Free Access	Donna Stilen	262-548-8609
Codes Sales		1-800-362-7253
Credentialing		608-261-8500
Elevator Plan Review	Brian Rausch	262-521-5444
Heating and Ventilation ..	Randy Dahmen	608-266-3162
Historic Buildings	Duane Peterson ...	715-524-6852
Hospitals & Nursing Homes, DHFS		608-266-3878
Industrial Hygienists	Richard Brandt	262-521-5187
	Tom Pritchett	608-592-3974
Lighting	Randy Dahmen	608-266-3162
Manufactured Dwellings	Gary Ekes	608-355-0108
Mobile/Manufactured Homes		608-266-8577
Plan Review Status	S&B offices listed on this page	
Refrigeration	Mike Verhagen	262-548-8617
Soil Erosion Control	Mary Jo Webster .	608-266-2128
Structural Steel Welding .	Mike Verhagen	262-548-8617
Training	Tom Kasper	608-267-7586
Uniform Dwelling Code ..	Leroy Stublaski	608-267-5113
Rental Weatherization...	Delores Kolosovsky	608-267-2240
Teletypewriter (TTY)		608-264-8777

Boiler Inspectors

Duane Leetch	Cornell	715-239-6009
James Markiewicz	Appleton	920-832-5287
Rick Merkle	Kenosha	262-653-6880
Rodney Nuttall	Portage	608-742-0321
Steve Seibel	Fond Du Lac	920-929-7513
Dean Yourchuck, Jr	Muscoda	608-929-4578
Terry Waldbillig	Waukesha	262-521-5066
Harold Stanlick, Superv.	Waukesha	262-521-5065

Plumbing Consultants

Tom Braun	Hayward	715-634-3026
Tim Joyce	Madison	608-825-4724
Don Kay	Green Bay	920-834-3093
Don Oremus	Pelican Lake	715-487-6123
Jim Wehinger	Friendship	608-339-7430
Jim Zickert	Eldorado	920-872-2656
Tom Bembmister, Superv.	Chippewa Falls	715-726-4520

POWTS Wastewater Specialists

Ross Fugill	Shawano	715-524-3629
Leroy Jansky	Chippewa Falls ...	715-726-2544
Carl Lippert	Hayward	715-634-3484
Karl Schultz	Oshkosh	920-424-3311
Dennis Sorenson	La Crosse	608-785-9336
Duane Steiner	West Baraboo	608-355-3159
Allen Wendorf	Madison	608-873-5476
Harold Stanlick, Superv.	Waukesha	262-521-5065

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Vernon Lemke	Green Bay	920-492-5615
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Sam Solberg, Superv.	Stevens Point	715-345-5226

Elevator Inspectors

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Kenton Johnson	Mount Horeb	608-437-4093
Jim Kreuzer	Tomah	608-374-2430
Timothy Marty	Appleton	920-832-5290
George Poblocki	Amherst	715-345-5277
Roger Robbins	De Pere	920-336-0719
Jerry Rowell	Argyle	608-543-3414
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Bernard Zalewski	Lac du Flambeau	715-588-2279
Frank Wozniak	Waukesha	262-521-5065
Tom Bembmister, Superv.	Chippewa Falls	715-726-4520

Fire Safety Consultants

John Andersen	Chippewa Falls	715-726-2556
Dave Bruflat	Hayward	715-634-6739
Lyle Smith	Waukesha	262-548-8621
Robert Kiser	Appleton	920-954-1451
Terry Nolen	Verona	608-845-5375
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The *WBCR* is a monthly publication of the Safety and Buildings Division, Wisconsin Department of Commerce. It is delivered to about 4200 frequent plan submitters, inspectors, fire chiefs, and fire sprinkler credential holders. Subscriptions are also available. The publication provides information on fire safety, building-related codes, and credentialing topics.

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Commercial Building Inspectors

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John Anderson	Clintonville	715-823-2014
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Commercial Building Plan Reviewers

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	Tony Gryzbowski	920-492-5609
	Minh Tran	920-492-7730
	Jack Wotruba	920-492-6500
	Fax:	920-492-5604
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	Duane Peterson	715-524-6852
	Fax:	715-524-3633
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	Donna Stilen	262-548-8609
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